



# **Transportation Commission**

May 11, 2015



# **UPDATES TO RECEIVE**

Agenda Item #2



# COMMISSION UPDATES

Agenda Item #3



# **POTOMAC YARD METRORAIL STATION EIS**

Agenda Item #4

# Role of Transportation Commission



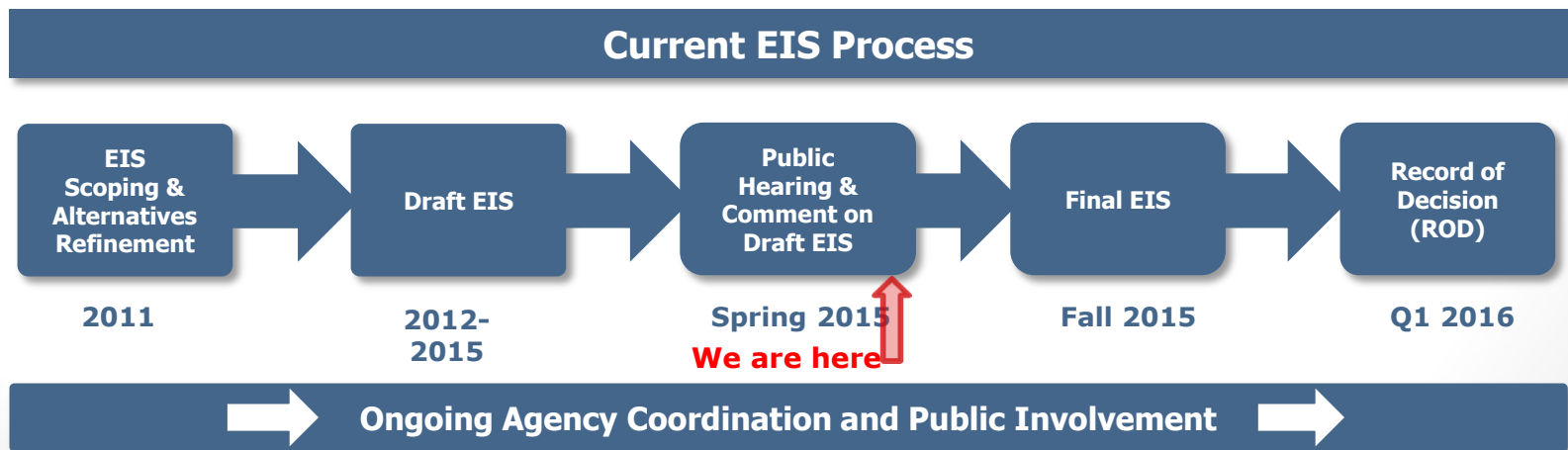
- Determine if the staff recommendation is consistent with the City's 2008 Transportation Master Plan
- Provide comments on preferred alternative
- Comments will be forwarded to City Council

# 2008 Transportation Master Plan: Vision

- A transportation system that encourages the use of alternative modes of transportation, reducing dependence on the private automobile
- A transportation system that leads to the establishment of transit-oriented, pedestrian friendly village centers, focused on neighborhood preservation and increased community cohesion, forming a more urban, vibrant and sustainable Alexandria
- A balance between travel efficiency and quality of life, providing Alexandrians with transportation choice, continued economic growth and a healthy environment

# Process

- If a Build alternative is approved, the project will be subject to the City's DSUP process
- WMATA plans to utilize a design-build process





# Potomac Yard





# Build Alternatives Considered (in addition to No Build Alternative)



- LEGEND**
- Alternative A Station Location
  - Alternative B Station Location
  - B-CSX Design Option Station Location
  - Alternative D Station Location
  - Existing Metrorail Blue/Yellow Line
- Note: Trackwork and Bridges not shown



# Alternative B

- Provides maximum accessibility to the Metrorail station





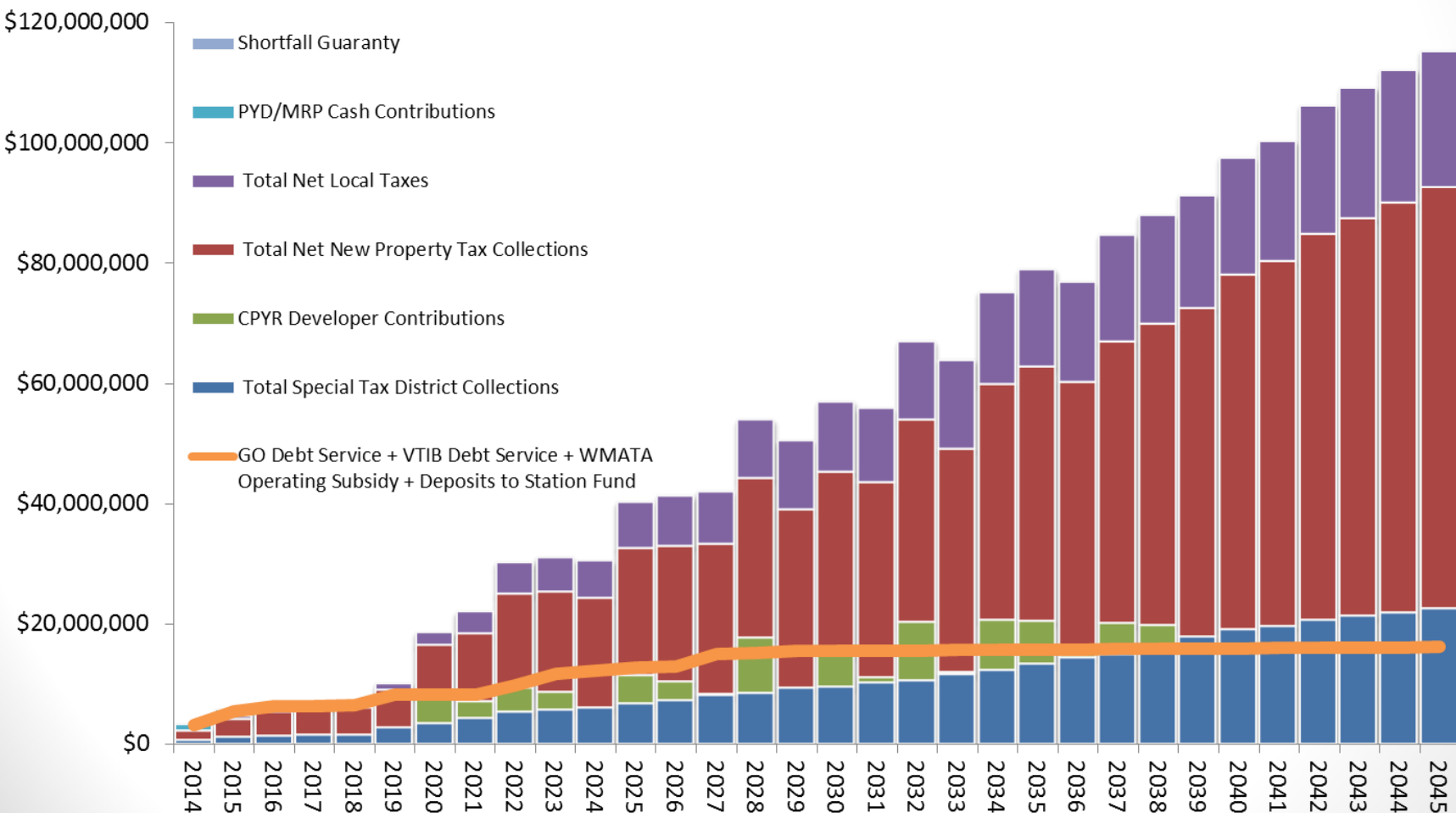
# Alternative B

- Provides the most transportation benefit
  - 11,300 daily trips on Metro
  - 34% daily trips using transit, walking, or bike
  - 5,000 daily auto trips removed from the road



# Alternative B

- Results in \$1.5 billion in net revenue to the City over 30 years





# Alternative B



# George Washington Memorial Parkway Mitigation



- ONLY applies for Alternative B
- Framework for a “net benefit agreement” between the City and NPS
  - Landscaping to screen station
  - NPS participation in station design
  - Potomac Yard height, lighting, signage protection
  - City would exchange large portion of Potomac Greens Park for needed NPS land
    - Puts parkland under single ownership and management
  - Stormwater management plan and improvements
  - Daingerfield Island master plan and improvements
  - Repairs and improvements to Mount Vernon Trail
  - Other benefits to GWMP



# Construction Access

- Two construction access options evaluated:
  - Option 1 **includes** driveways connecting to the GWMP
  - Option 2 **excludes** driveways connecting to the GWMP
- Staff recommends Construction Access Option 2



# Parking and Traffic

- The station will be designed as an urban station
- Most riders will access the station on foot or via bike, or will transfer to Metrorail from buses
- Staff recommends working with adjacent communities to establish residential parking zones to discourage commuter parking

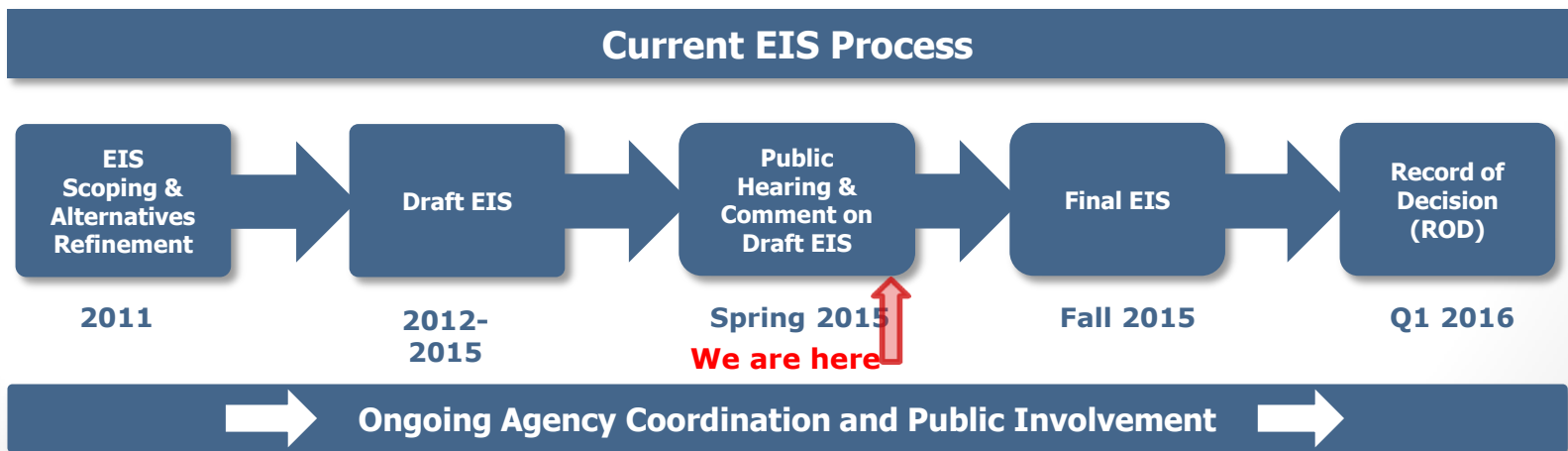


# Staff Recommendation

- Staff recommends the Transportation Commission endorse the selection of Alternative B on the basis of consistency with the City's 2008 Transportation Master Plan

# Next Steps

- Staff recommendation will be discussed at board, commission, and committee meetings in May
- City Council public hearing:  
**Saturday, May 16, 2015**  
9:30 a.m.  
City Council Chambers  
Alexandria City Hall
- Preferred alternative decision by City Council on May 20
- Complete Final Environmental Impact Statement (Fourth Quarter of 2015)
- Record of Decision (First Quarter of 2016)





# Questions?

**For more information, visit:  
[www.alexandriava.gov/PotomacYard](http://www.alexandriava.gov/PotomacYard)**

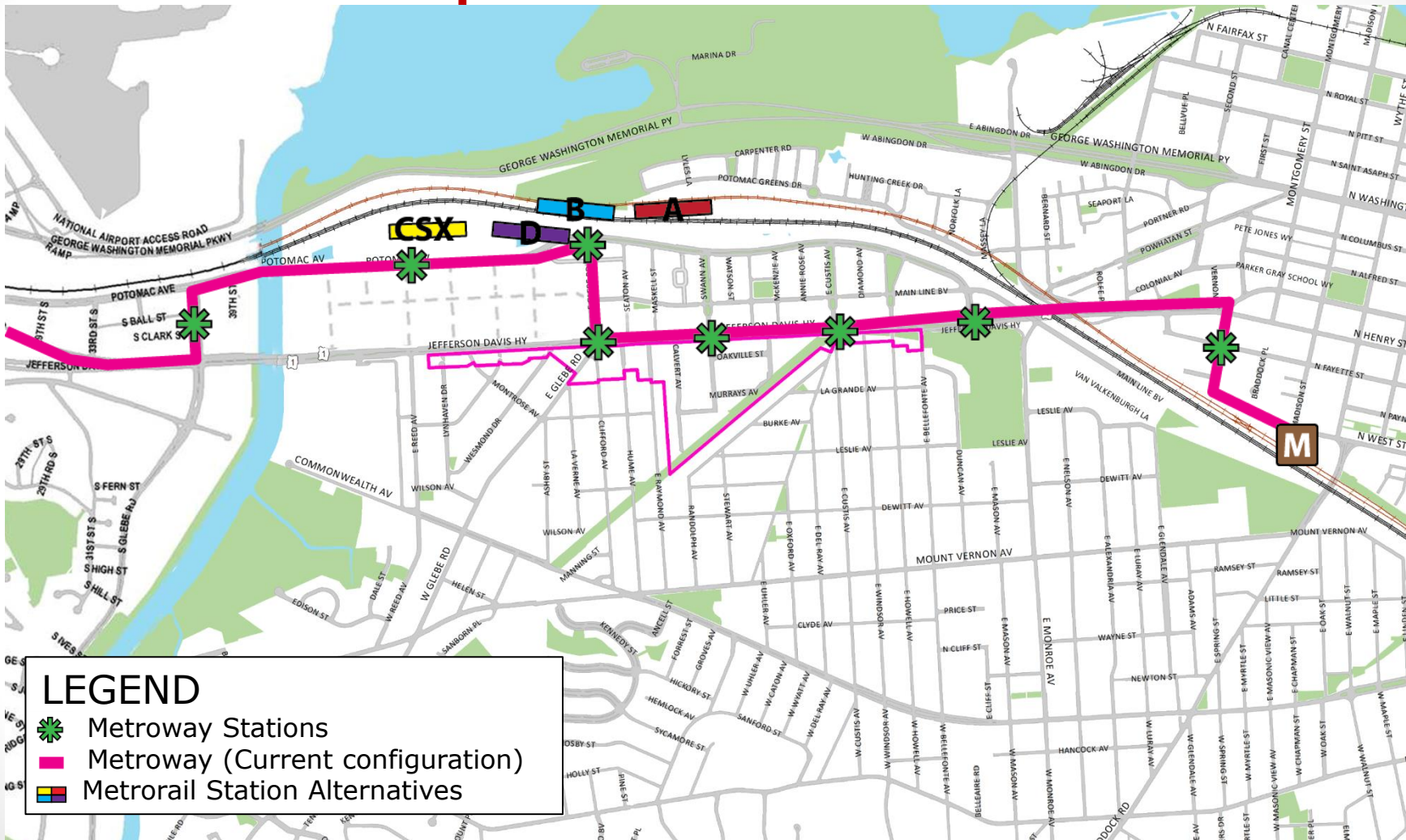


# **OAKVILLE TRIANGLE / ROUTE 1 CORRIDOR PLAN**

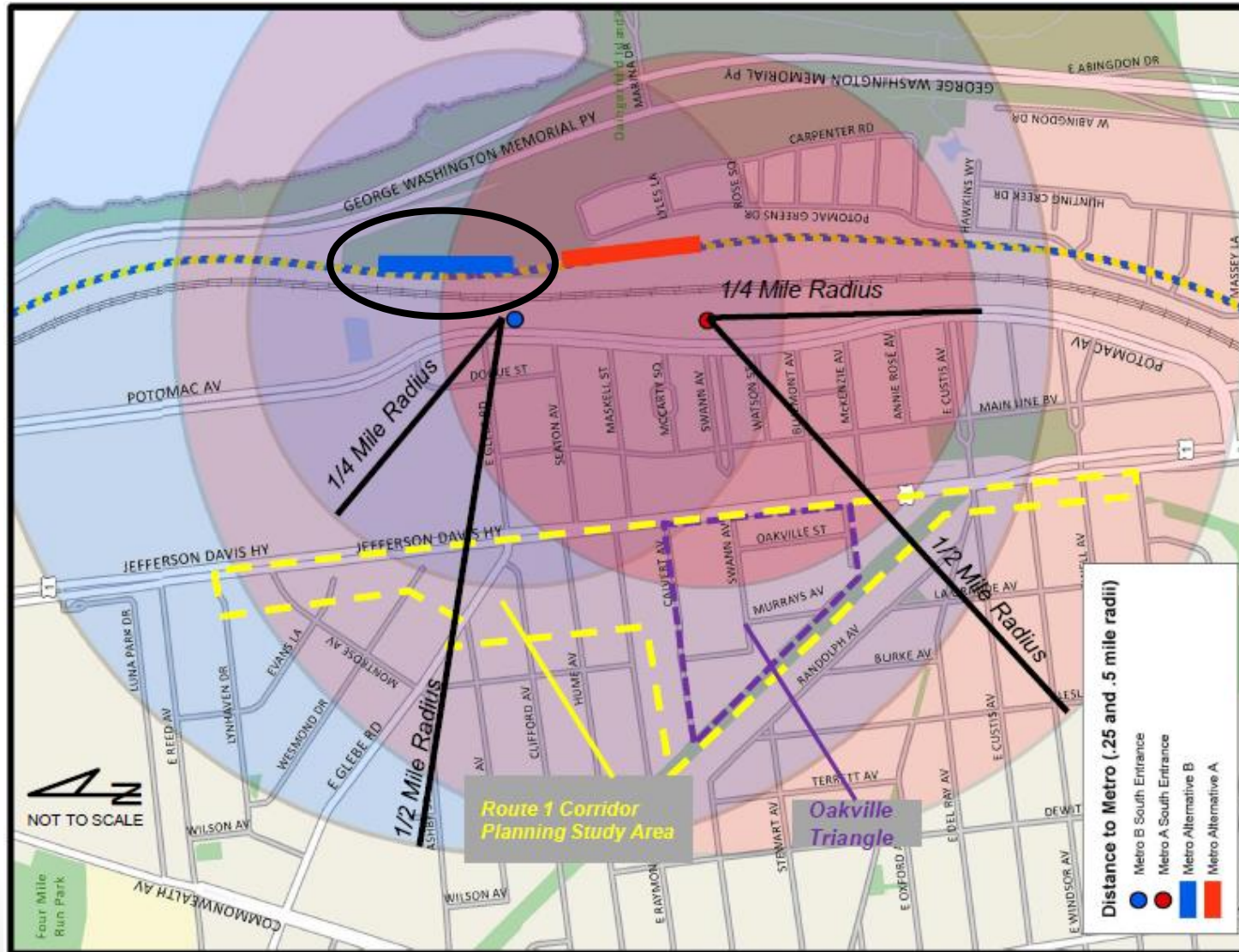
Agenda Item #5



# Existing and Future Transportation Network



# Proximity to Potomac Yard Metrorail Station

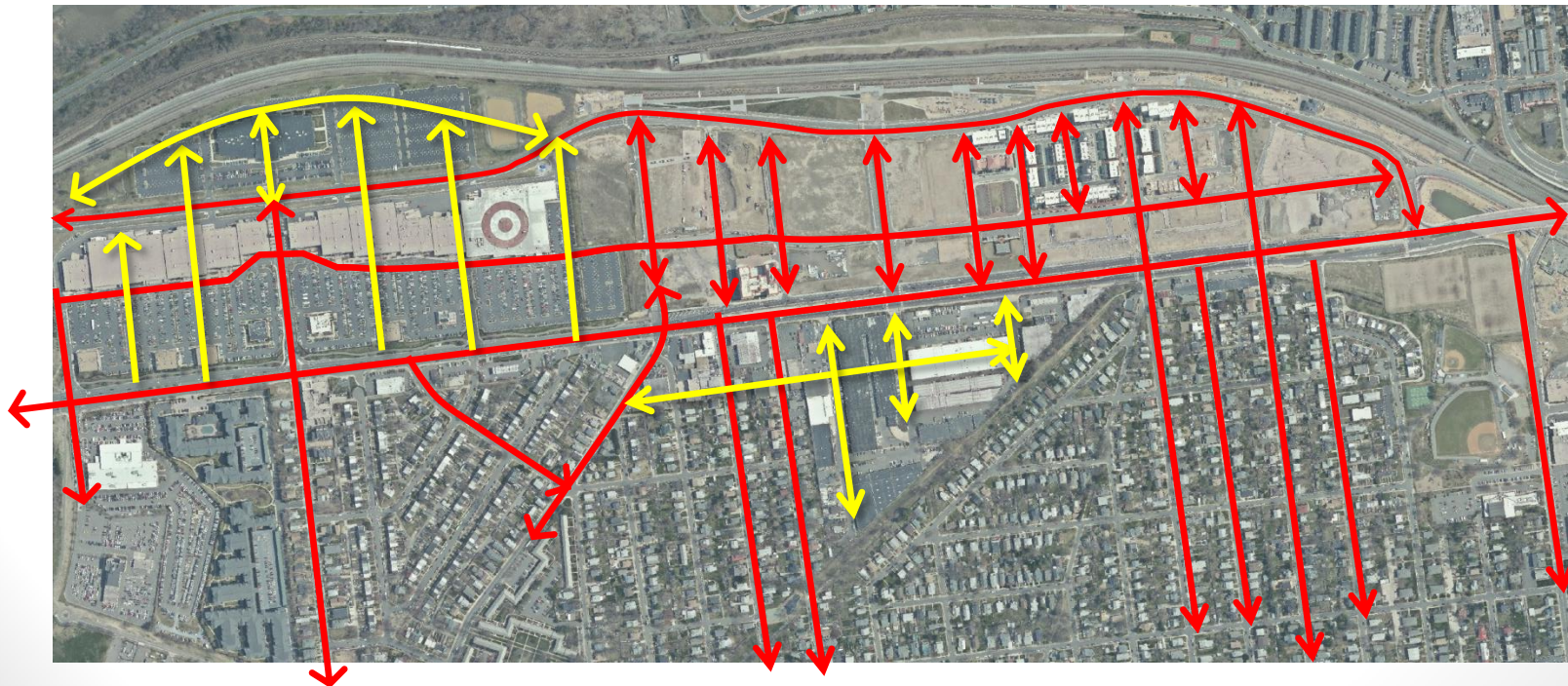




# Transportation Infrastructure: Existing vs. Future



- Local bus service
- Dedicated Transitway with enhanced bus service
- Limited connectivity west of Route 1
- Incomplete bicycle and pedestrian network
- Metro Station
- Enhanced bicycle and pedestrian network (on and off street)
- Additional connectivity



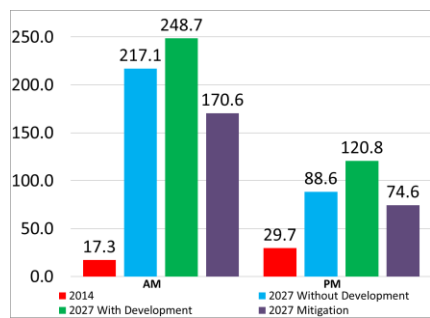
# Future Development Assumptions

- Development:
  - **1.5M SF (Oakville)**
  - **1M SF (Rest of plan area)**
- Background Development:
  - **Approximately 7.3M SF**
- Potomac Yard Metrorail station
- Enhanced bicycle and pedestrian network

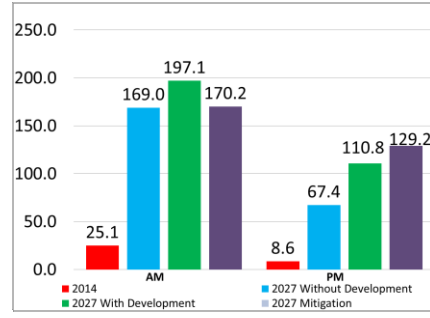
# Northbound and Southbound Route 1 Through Movement Delays



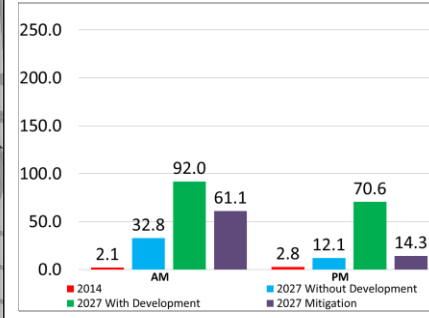
## Reed



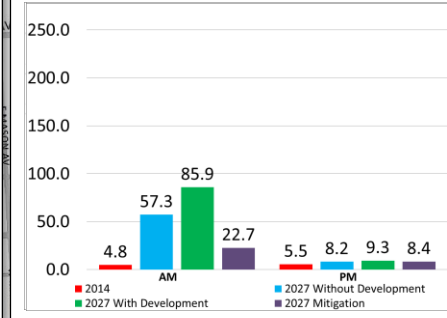
## Glebe



## Swann



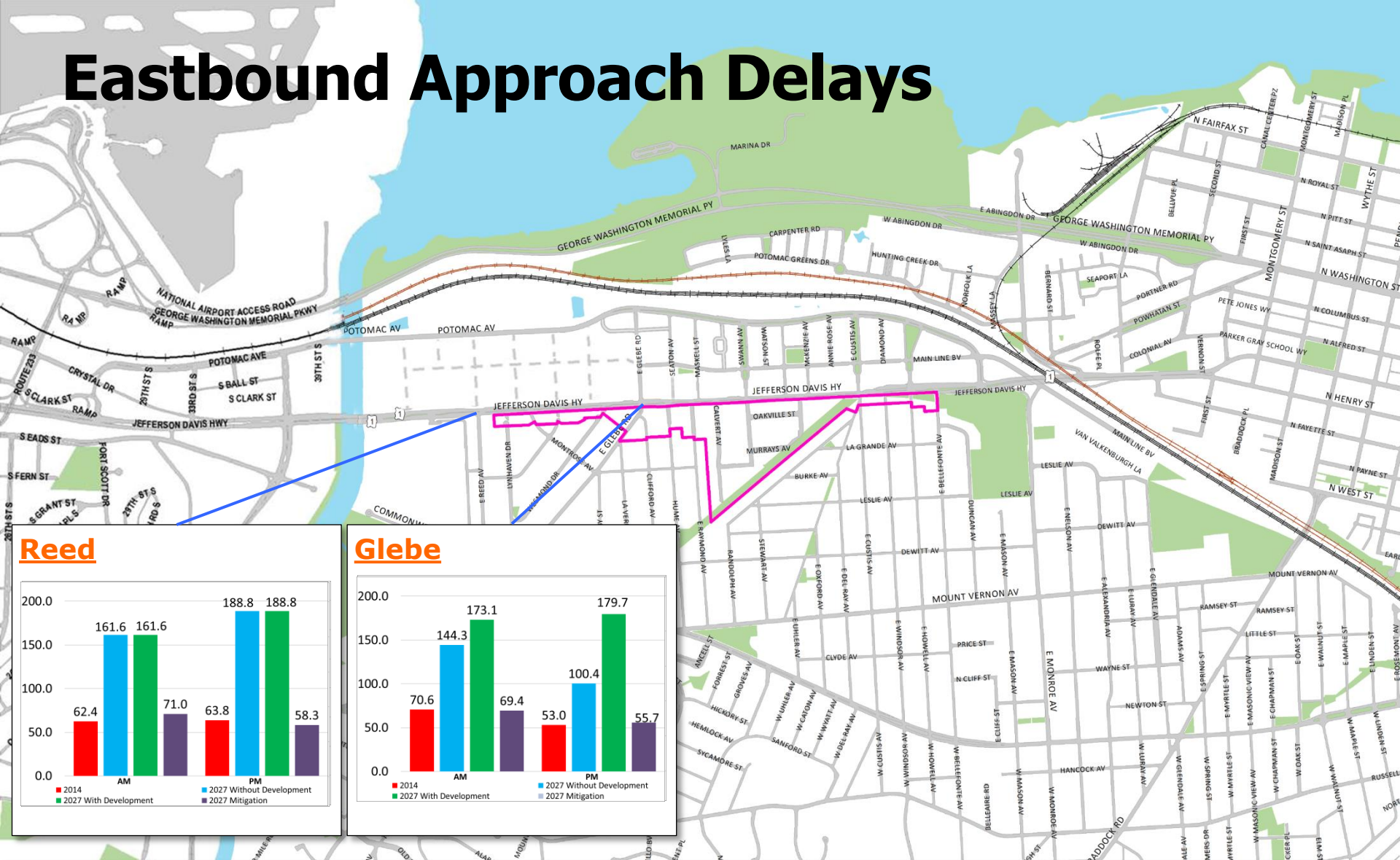
## Custis



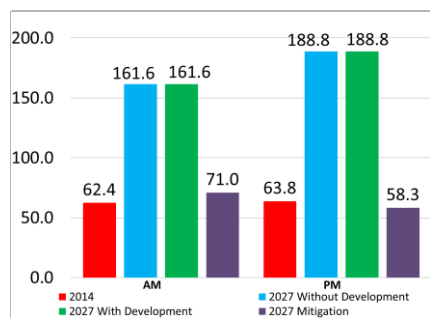
**Legend (measured by time in seconds per vehicle):**  
**2014 AM Northbound/PM Southbound Peak Hour Vehicle Delays**  
**2027 Without Development AM Northbound/PM Southbound Peak Hour Vehicle Delays**  
**2027 With Development AM Northbound/PM Southbound Peak Hour Vehicle Delays**  
**2027 Mitigation AM Northbound/PM Southbound Peak Hour Vehicle Delays**



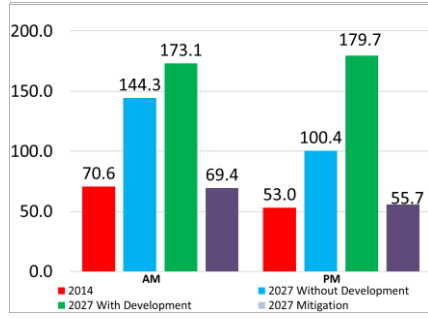
# Eastbound Approach Delays



## Reed



## Glebe



**Legend (measured by time in seconds per vehicle):**

**2014 AM/PM Eastbound Approach Peak Hour Vehicle Delays**

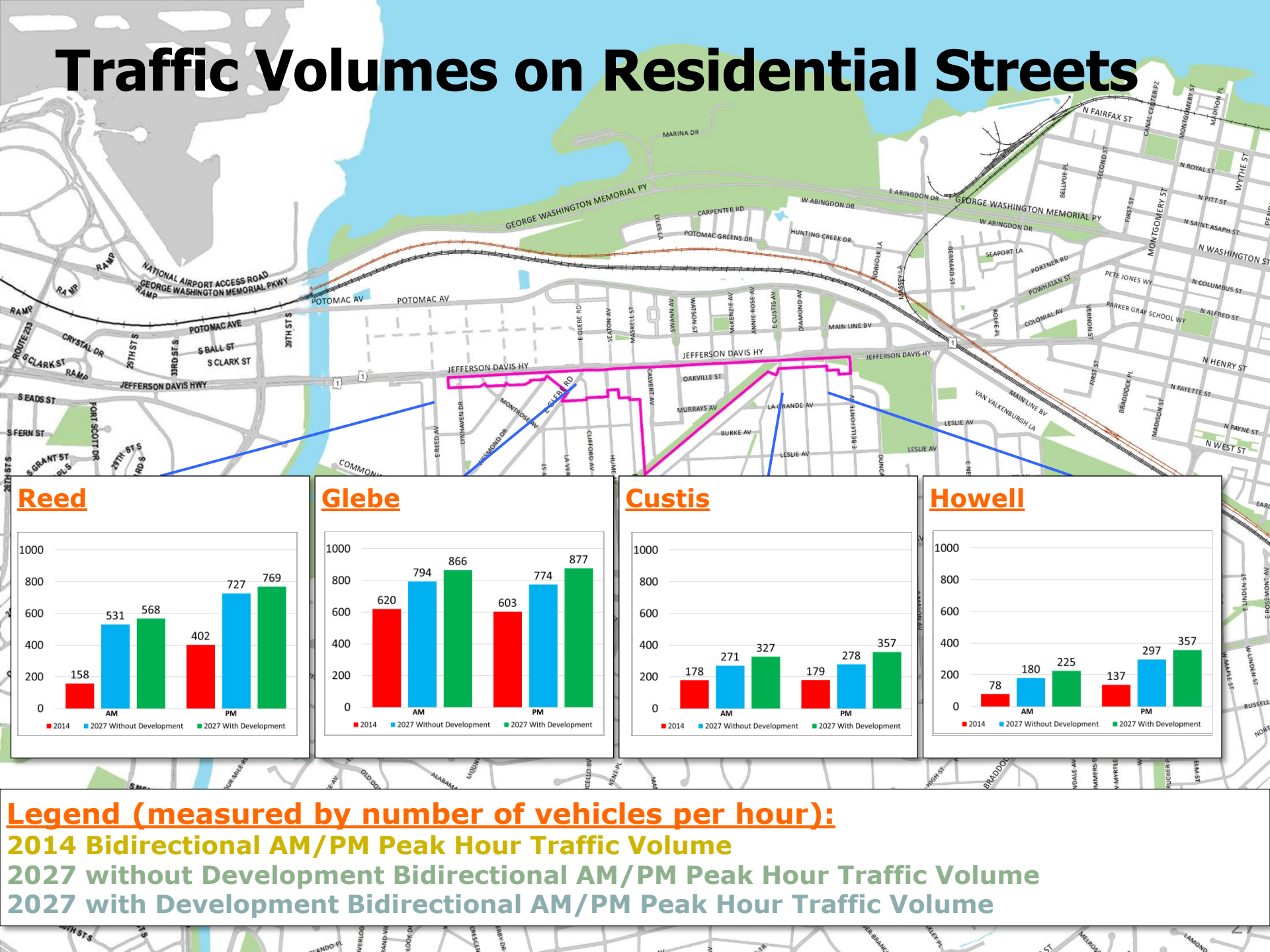
**2027 Without Development AM/PM Eastbound Approach Peak Hour Vehicle Delays**

**2027 With Development AM/PM Eastbound Approach Peak Hour Vehicle Delays**

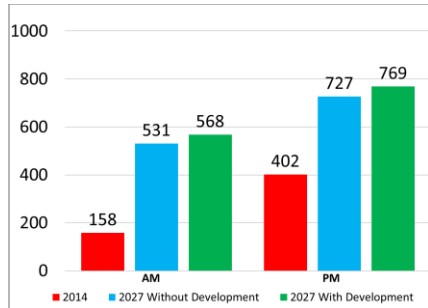
**2027 Mitigation AM/PM Eastbound Approach Peak Hour Vehicle Delays**



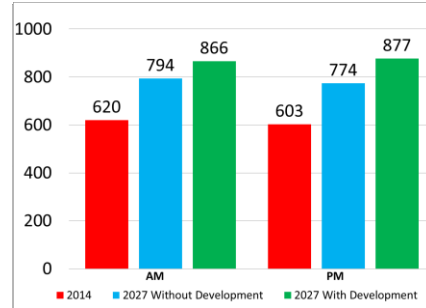
# Traffic Volumes on Residential Streets



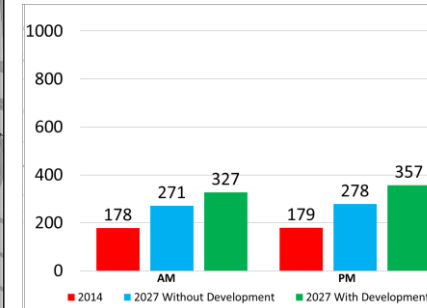
## Reed



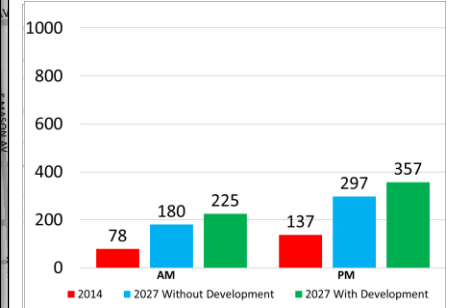
## Glebe



## Custis



## Howell



**Legend (measured by number of vehicles per hour):**

**2014 Bidirectional AM/PM Peak Hour Traffic Volume**

**2027 without Development Bidirectional AM/PM Peak Hour Traffic Volume**

**2027 with Development Bidirectional AM/PM Peak Hour Traffic Volume**

# Findings

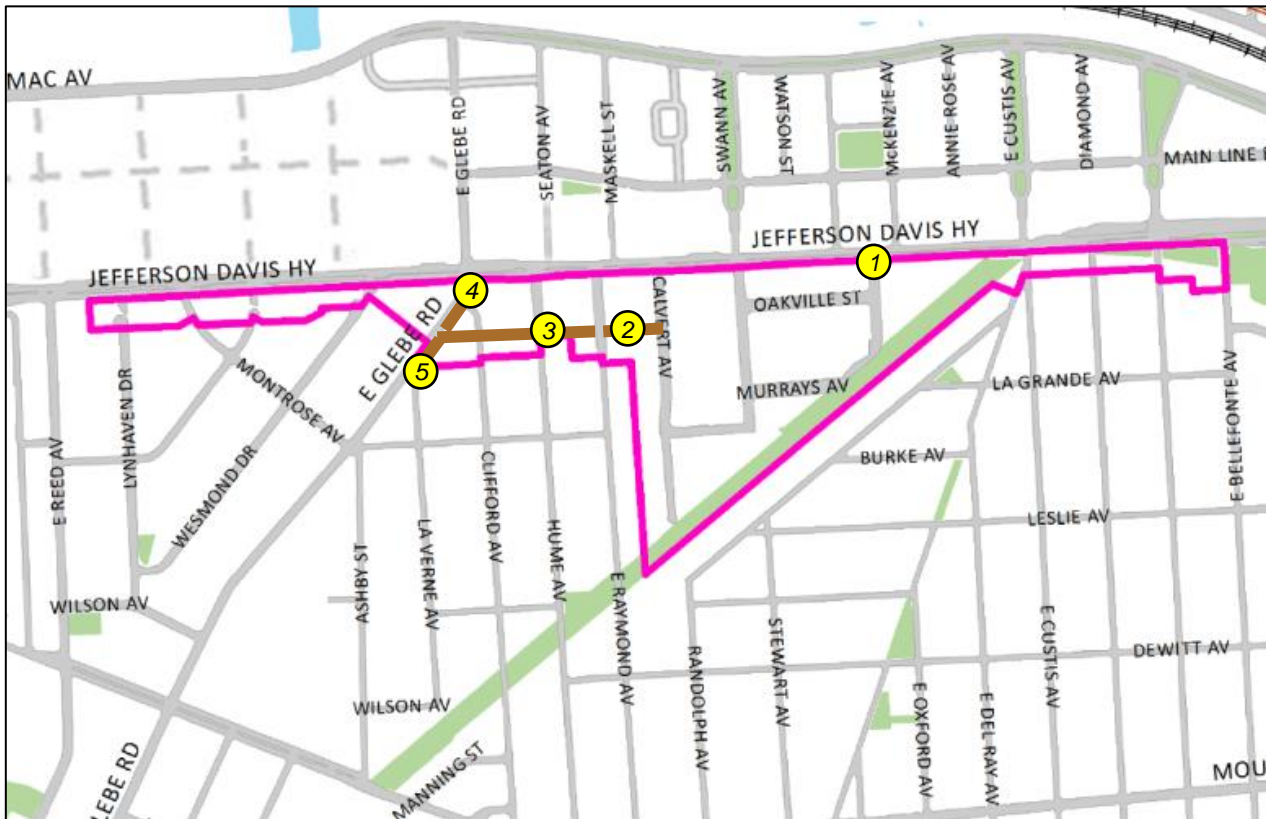
## FUTURE- NO BUILD

- Congested Intersections:
  - Route 1 / E. Reed
  - Route 1 / Glebe

## FUTURE- BUILD:

- Congested Intersections:
  - Route 1 / E. Reed
  - Route 1 / Glebe

# Improvements Under Study



- ① Pedestrian crossing at Fannon St.
- ② N-S Road (Calvert to Raymond)
- ③ N-S Road (Raymond to Glebe)
- ④ Glebe Improvements (Phase 1)
- ⑤ Glebe Improvements (Phase 2)

# Phasing of Improvements

## Phase I

- Signal modifications
- N-S road Calvert to Raymond
- E. Glebe/ Rte. 1 Phase I
- Pedestrian crossing at Fannon Street

## Phase II

- Lane modifications on Custis at Route 1
- N-S road Raymond to E. Glebe
- E. Glebe/Rte. 1 Phase II

# Additional Study

- Access for development parcels along Route 1
- Additional east-west connectivity north of E. Glebe
- Development triggers
- Truck access
- Turning movements from Glebe Road to N-S Road
- Parking impacts

Thank You

**QUESTIONS?**



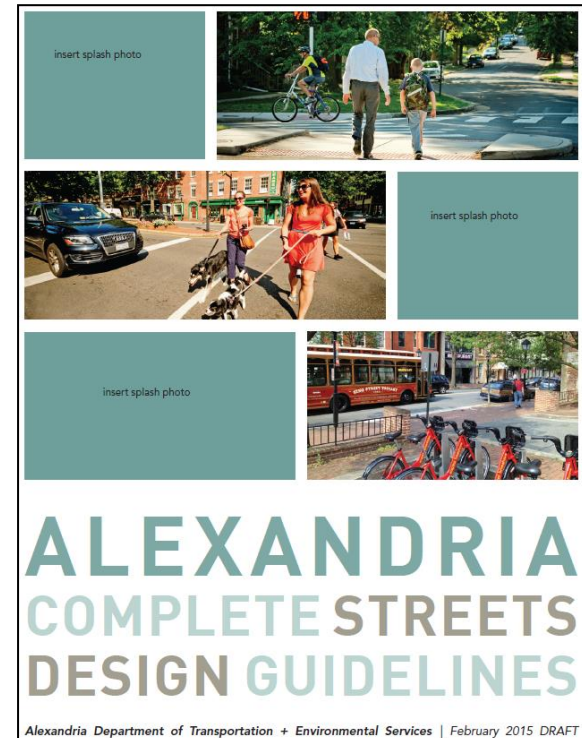


# **COMPLETE STREETS UPDATE**

Agenda Item #6

# Program Accomplishments

- Awarded a \$400,000 grant for pedestrian improvements at transit stops
- Drafted The Alexandria Complete Streets Design Guidelines
- Developed a Speed Cushion Program
- Received award The Best Bicycle Infrastructure in Virginia for the King Street Bike Lane Project
- Provided Complete Streets training for Maintenance staff



# Installed Bicycle Facilities



**King Street**



**Jamieson Avenue**



**Bike Fix-it Station**



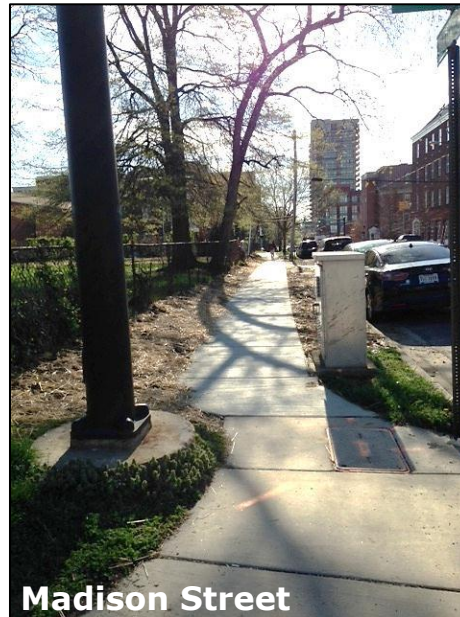
**Bike/Ped Counter**



# Traffic Calming & Pedestrian Safety Improvements



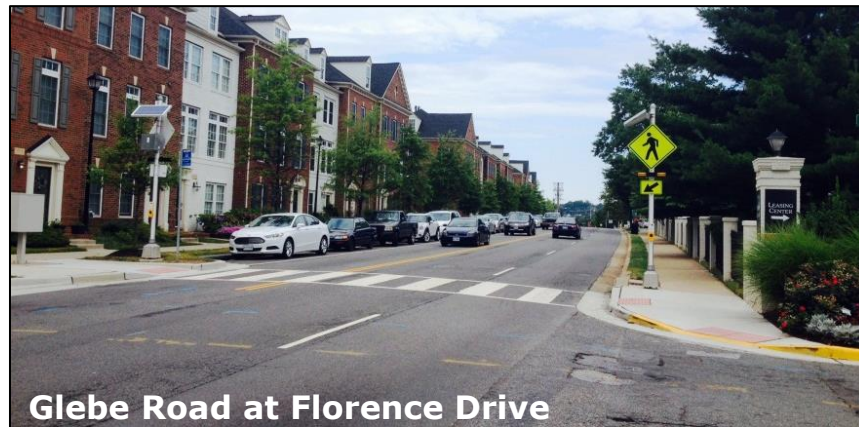
Russell Road Traffic Calming



Madison Street



Eisenhower Ave HAWK



Glebe Road at Florence Drive



# Safe Routes to School



George Mason Safe Routes to School



Cora Kelly Safe Routes to School



Cora Kelly Safe Routes to School



# Upcoming Projects

Complete Streets Projects		Pedestrian Safety	Bicycle Facilities	Traffic Calming	Transit & Pedestrian Accessibility
On Street	Between				
Construction Projects					
Monroe Avenue	Leslie Avenue to Stonewall Road	X	X	X	X
Wheeler Avenue	South Gordon Street to Duke Street		X	X	
Potomac Greens Drive	Massey Avenue to Carpenter Avenue	X	X	X	
Stevenson Avenue	Whiting Street to Stulz Avenue	X	X	X	X
Wilkes Street	Payne Street to Royal Street	X	X		
North Hampton Drive	King Street to Braddock Road	X	X	X	X
Janneys Lane	East to West Taylor Run Parkway	X		X	X
Speed Cushion Projects					
Martha Custis Drive	Lyons Lane to Holmes Lane			X	
West Abingdon Drive	Bashford Lane to Second Street			X	
Sidewalk Projects					
Crestwood Drive	Kenwood Drive to Valley Drive	X			
Duke Street	Oasis Drive to Walker Street	X			
Dawes Avenue	Stephens Street to Seminary Road	X			
Design Projects					
North Van Dorn Street	Seminary Road to Menokin Drive	X	X	X	X
Mount Vernon Trail	Slaters Lane to Bashford Lane	X	X		
King Street	Callahan Drive to Sunset Drive	X	X		X
King Street	Janneys Lane to Quaker Lane	X	X	X	X
Cameron & Prince Streets	King Street Metro to Waterfront	X	X	X	X



# FY 2016 Resurfacing

Section		Avg PCI
<b>Proposed FY16 Paving Schedule</b>	Taney Ave from Van Dorn St to the Dead end	33.13
	Wheeler Ave from Duke St to the Dead-end	29.80
	Monroe Ave from Stonewall Rd to Leslie Ave	39.00
	Janneys Lane from Cloverway to King St	33.00
	E. Taylor Run Pkwy from Duke St. to Dead End	45.20
	Yoakum Parkway from Edsall Rd to Stevenson Ave	36.00
	* N Hampton Dr from Ford Ave to King St	23.50
	* Duke St. from N. Quaker Ln. to S. Jordan St.	40.00
	S. Van Dorn St. from S. Pickett St. to Edsall Rd	41.00
	N. Van Dorn St. from Seminary Rd. to Menokin Dr.	41.00
	N./ S. Columbus St. from Green St. to Oronoco St.	46.00
	Eisenhower Ave. from Bluestone Rd. to Mill Rd.	40.60
	CityWide Alley Resurfacing	< 10
	King St from Menokin Dr. to Janney's Lane	36.43
	<b>TOTAL</b>	<b>37.35</b>

Complete Streets Projects

\*Complete Streets Policy exceptions



Thank You

**QUESTIONS?**



# **TRANSPORTATION LONG RANGE PLAN**

Agenda Item #7

# Long Range Transportation Plan (LRP)

**LRP-** *Unconstrained* list of transportation projects, programs and studies

1. Project List – capital projects which are not funded (prioritized by the Transportation Commission)
2. Program List (Removed in 2014)
3. Studies List

# Derivation of LRP Projects / Studies

- Pedestrian and Bicycle Mobility Plan (to be updated with Pedestrian and Bicycle Master Plan)
- Small Area Plans
- Special Area and Corridor Plans
- Studies / Plans from other departments

# Consistency with City Goals / policies

- Council Strategic Plan
- Transportation Master Plan
- Eco-City Charter



# Proposed Project Additions

- Mt. Vernon at Four Mile Road  
*(Previously on Programs list, and redefined based on Commission input)*
- Mt. Vernon at Russell Road *(Removed from FY 2016-2025 CIP)*
- DASH Bus expansion *(Removed from FY 2016-2025 CIP)*

# Proposed Project Deletions

- Prince Street / Cameron Street Bicycle facility (*Added to FY 2016-2025 CIP*)

# Proposed LRP Schedule

May	Updates to criteria / scoring procedure (Subcommittee) Review draft of LRP project / study changes
June	Review of initial screening of projects Project prioritization adjustments
July	Final proposed LRP Public input Adoption of LRP by Transportation Commission

Thank You

**QUESTIONS?**